Claims

Claim 14. (**currently amended**) A method for creating a consumer's shopping list prior to entering a store, comprising:

(a) <u>using</u> a portable barcode scanner, comprising:

    (i) a processor;

    (ii) a memory that stores product information under the control of said processor;

    (iii) logic that obtains a product barcode;

    (iv) logic that obtains a product coupon barcode;

    (v) logic that indicates that said product barcode or said product coupon barcode has been scanned and stored in said memory;

    (vi) logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;

    (vii) logic that indicates said memory is full;

    (viii) logic that creates a query based on said product barcode or said product coupon barcode;

    (ix) logic that transmits said product barcode or said product coupon barcode to one or more <u>consumer's</u> first computers over a first network infrastructure;

(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;

(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;

(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;

(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was scanned, and a required quantity of said product; and

(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was scanned, and a required quantity of said product;

(b) using one or more said consumer's first computers, each said first computer comprising;

(i) an associated communications interface channel to receive data from, and to transmit data to, said portable barcode scanner over said first network infrastructure;

(ii) logic that stores said data as shopping list information under the control of said product barcode or said product coupon barcode, in a memory means;

(iii) logic that communicates with a second computer system, over a second network infrastructure to request and to receive ~~receive~~ said product associated information based on said product barcode or said product coupon barcode;

(iv) logic that keeps track of the frequency that said product barcode or said product coupon barcode has been received from said barcode scanner over said first network infrastructure;

(vi) logic that provides <u>specific</u> notification of repetitively scanned said product barcodes or said product coupon barcodes <u>without repetitively needing said continued scanned entry of said product barcodes or said product coupon barcodes</u>;

(vii) logic that displays a multiplicity of product barcodes or said product coupon barcodes, together with said product associated information, on a <u>consumer's</u> first computer display; ~~and~~

(viii) logic that indicates that said consumer has obtained said shopping list information in-hand <u>from said consumer's first computer; and</u>

<u>(ix) logic that automatically adds said repetitively scanned product barcodes to said shopping list on said determined frequency;</u>

(c) scanning a needed product barcode or a needed product coupon barcode using said portable barcode scanner;

(d) transferring said scanned product barcode or said product coupon barcode to said <u>consumer's</u> first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping list database on said <u>consumer's</u> first computer, said shopping list database includes other

product information, wherein said other product information includes: a product description, a product cost, a date and time on which said product barcode was scanned and an indicator for a required quantity of said product;

(f) obtaining in-hand said stored shopping list from said <u>consumer's</u> first computer in order to go to a first store and purchase products listed on said shopping list, said obtaining in-hand is selected from the group comprising:

   (i)   printing said stored shopping list on a printing device <u>attached to said consumer's first computer</u>,

   (ii)   transferring said stored shopping list to a <u>consumer's</u> portable computer device, and

   (iii) using said portable barcode scanner;

(g) sending said shopping list <u>from said consumer's first computer</u> to an optional second store connected to said second network infrastructure, said second store shipping products listed on said shopping list to said consumer<u>, thereby not requiring said consumer to shop in-store for said products</u>; and

(h) sending said shopping list <u>from said consumer's first computer</u> to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up<u>, thereby not requiring said consumer to shop in-store for said products</u>.

Claim 15. (**previously presented**) The portable barcode scanner of claim **14**, wherein said first network infrastructure is a wireless link.

Claim 16. (**previously presented**) The portable barcode scanner of claim **15**, wherein said wireless link is selected from the group comprising: an infrared link and a Bluetooth radio-frequency link.

Claim 17. (previously presented) The portable barcode scanner of claim **14**, wherein said first network infrastructure is a wired link between said portable barcode scanner and said first computer.

Claim 18. (previously presented) The portable barcode scanner of claim **17**, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 19. (previously presented) The first computer of claim **14** is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 20. (previously presented) The first computer of claim **14**, wherein said second network infrastructure is the internet.

Claims 21 – 33 (previously cancelled)

Claim 34. (previously presented) The said portable computer device of claim **14** is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 35. (previously presented) The shopping list of claim **14** is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.

Claim 36. (currently amended) A method for creating a consumer's shopping list prior to entering a store, comprising:

(a) <u>using</u> a portable barcode scanner, comprising:

      (i) a processor;

(ii) a memory that stores product information under the control of said processor;

(iii) logic that obtains a product barcode by manual entry means;

(iv) logic that obtains a product coupon barcode by manual entry means;

(v) logic that indicates that said product barcode or said product coupon barcode has been manually entered and stored in said memory;

(vi) logic that indicates the number of said product barcodes and said product coupon barcodes stored in said memory;

(vii) logic that indicates said memory is full;

(viii) logic that creates a query based on said product barcode or said product coupon barcode;

(ix) logic that transmits said product barcode or said product coupon barcode to one or more consumer's first computers over a first network infrastructure;

(x) logic that indicates that said product barcode or said product coupon barcode has been transmitted to one or more consumer's first computers over said first network infrastructure;

(xi) logic that receives said product barcode or said product coupon barcode associated information from one or more consumer's first computers over said first network infrastructure;

(xii) logic that displays said product barcode or said product coupon barcode associated information on a display, received from one or more consumer's first computers over said first network infrastructure;

(xiii) wherein said product barcode associated information relates to at least one of product description, product cost, date and time on which said product barcode was manually entered, and a required quantity of said product; and

(xiv) wherein said product coupon barcode associated information relates to at least one of product description, product cost, date and time on which said product coupon barcode was manually entered, and a required quantity of said product;

(b) using one or more said consumer's first computers, each first computer comprising;

(i) an associated communications interface channel to receive data from, and to transmit data to, said portable barcode scanner over said first network infrastructure;

(ii) logic that stores said data as shopping list information under the control of said product barcode or said product coupon barcode, in a memory means;

(iii) logic that communicates with a second computer system, over a second network infrastructure to request and to receive receive said product associated information based on said product barcode or said product coupon barcode;

(iv) logic that keeps track of the frequency that said product barcode or said product coupon barcode has been received from said barcode scanner over said first network infrastructure;

(vi) logic that provides specific notification of repetitively manually entered said product barcodes or said product coupon barcodes without repetitively needing continued said manual entry of said product barcodes or said product coupon barcodes;

(vii) logic that displays a multiplicity of product barcodes or said product coupon barcodes, together with said product associated information, on a <u>consumer's</u> first computer display; ~~and~~

(viii) logic that indicates that said consumer has obtained said shopping list information in-hand <u>from said consumer's first computer; and</u>

<u>(ix) logic that automatically adds said repetitively manually entered product barcodes to said shopping list on said determined frequency;</u>

(c) manually entering a needed product barcode or a needed product coupon barcode using said portable barcode scanner;

(d) transferring said manually entered product barcode or said manually entered product coupon barcode to said <u>consumer's</u> first computer, over said first network infrastructure;

(e) storing said transferred product barcode or said product coupon barcode in a shopping list database on said <u>consumer's</u> first computer, said shopping list database includes other product information, wherein said other product information includes: a product description, a product cost, a date and time on which said product barcode was manually entered and an indicator for a required quantity of said manually entered product;

(f) obtaining in-hand said stored shopping list from said <u>consumer's</u> first computer in order to go to a first store and purchase products listed on said shopping list, said obtaining in-hand is selected from the group comprising:

(i)   printing said stored shopping list on a printing device<u> attached to said consumer's first computer,</u>

(ii)   transferring said stored shopping list to a portable <u>consumer's</u> computer device, and

(iii)　　using said portable barcode scanner; and

(g) sending said shopping list <u>from said consumer's first computer</u> to an optional second store connected to said second network infrastructure, said second store shipping products listed on said shopping list to said consumer<u>, thereby not requiring said consumer to shop in-store for said products</u>; and

(h) sending said shopping list <u>from said consumer's first computer</u> to an optional second store connected to said second network infrastructure, said second store making said products listed on said shopping list available to said consumer for pick up<u>, thereby not requiring said consumer to shop in-store for said products</u>.

Claim 37. (previously presented) The portable barcode scanner of claim **36**, wherein said first network infrastructure is a wireless link.

Claim 38. (previously presented) The portable barcode scanner of claim **37**, wherein said wireless link is selected from the group comprising: an infrared link and a Bluetooth radio-frequency link.

Claim 39. (previously presented) The portable barcode scanner of claim **36**, wherein said first network infrastructure is a wired link between said portable barcode scanner and said first computer.

Claim 40. (previously presented) The portable barcode scanner of claim **39**, wherein said wired link is selected from the group comprising: an RS-232 link, a USB link, a parallel link and an IEEE 1394 link.

Claim 41. (previously presented) The first computer of claim **36** is selected from the group comprising: a personal computer, a personal digital assistant, an internet appliance, and a cell phone.

Claim 42. (previously presented) The first computer of claim **36**, wherein said second network infrastructure is the internet.

Claim 43. (previously presented) The said portable computer device of claim **36** is selected from the group consisting: a personal digital assistant and a cell phone.

Claim 44. (previously presented) The shopping list of claim **36** is selected from the group comprising: beauty aids, books, clothing, computer hardware, computer software, computer supplies, drugs, footwear, groceries, gifts, health aids and music.